VERSION DESCRIPTION DOCUMENT FOR THE NASA PROPERTY DISPOSAL MANAGEMENT SYSTEM (NPDMS)

Release 4.3.1

NASA-NPDMS-VDD-14

UNITeS Contract

May 21, 2004

National Aeronautics and
Space Administration

George C. Marshall Space Flight Center
Huntsville, AL 35812

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NASA PROPERTY DISPOSAL MANAGEMENT SYSTEM (NPDMS)
RELEASE 4.3.1

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NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GEORGE C. MARSHALL SPACE FLIGHT CENTER
HUNTSVILLE, ALABAMA

May 21, 2004

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FOR THE
NASA PROPERTY DISPOSAL MANAGEMENT SYSTEM (NPDMS)
RELEASE 4.3.1**

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NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GEORGE C. MARSHALL SPACE FLIGHT CENTER
HUNTSVILLE, ALABAMA

May 21, 2004

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1. __INTRODUCTION__

This Version Description Document (VDD) describes the changes and Installation procedures for this release of the NASA Property Disposal Management System (NPDMS). This section identifies the release, describes its purpose, defines its scope, and identifies its contact points.

1.1   IDENTIFICATION OF THE RELEASE

This software release is identified as NPDMS, Release 4.3.1 and has an effective release date of May 21, 2004.

1.2   PURPOSE OF THE RELEASE

This release implements modifications for the following Change Control Requests (CCRs):

CCR	Title
425	Pictures for GSA transmission
498	NPDMS will accept an item from NEMS history
500	Notify NEMS when History item excessed
501	Display pictures for cases on the NASA Property Screening web site

This release implements modifications necessitated by the following Discrepancy Reports (DRs):

CCR	Title
505	Appropriation Code not being moved to GSA file

1.3   SCOPE

This VDD provides the functional and technical user of NPDMS with information regarding the content, status, and structure of Release 4.3.1, including the following:

- Changes implemented since Release 4.3;

- Validation procedures to ensure the reliability of release changes;

- References to other documentation affected by this release;

- Detailed software installation instructions.

No waivers are associated with this release.

1.4 CONTACT POINTS

Sustaining Engineering for NPDMS is provided through the Consolidation Center (CC) located at Marshall Space Flight Center (MSFC). Questions regarding the functional and/or the technical aspects as well as the installation of this release should be directed to:

The NACC Technical Services Center (Use following Key Words: SESAAS & NPDMS)

Telephone:	(256) 544-6673
Email:	neal.cantrell@msfc.nasa.gov
FAX:	(256) 544-1836

2.0 <u>FUNCTIONAL INFORMATION</u>

This section includes details regarding functional changes, functional interfaces, critical issues, affected documents, and application system administration.

2.1 FUNCTIONAL CHANGES

Please refer to Appendix C, Functional Change Validation Procedures, for a description of all functional changes related to this release. Appendix D, Installation Instructions, describes all Software PREDICT and SYSERR changes related to this release.

2.2 FUNCTIONAL INTERFACES

This section is not applicable for this release.

2.3 CRITICAL ISSUES

This section is not applicable for this release.

2.4 AFFECTED DOCUMENTS

The following documents were changed for this release:

NPDMS User and Operations Guide (UOG)
NPDMS Data Dictionary
User's Guide for GSA Pictures Upload

2.5 APPLICATION SYSTEM ADMINISTRATION

There are no application system administration changes associated with this release.

3.0 <u>TECHNICAL INFORMATION</u>

This section includes details regarding technical system interfaces, data dictionary changes, software object changes, and database administration activities.

3.1 TECHNICAL SYSTEM INTERFACES

There are no technical system interface issues with this release.

3.2 DATA DICTIONARY CHANGES

Refer to Appendix D, Section 4.1, for the data dictionary changes in this release.

3.3 SOFTWARE OBJECT CHANGES

Modules affected by this release are included in Appendix D, Section 2.2.

3.4 DATABASE ADMINISTRATION

This section describes the database administration activities for installation of this release.

3.4.1 <u>Release Dataset Names</u>

Refer to Appendix D, Introduction section, for the release dataset names.

3.4.2 <u>Inventory of Objects</u>

Refer to Appendix D, Section 2.1, for an inventory of Natural object types.

3.4.3 <u>Storage Considerations</u>

The changes represented by this release should not affect storage requirements.

3.4.4 <u>Installation Procedures</u>

Refer to Appendix D, Installation Instructions for NPDMS Software Release 4.3.1 for detailed software installation procedures.

3.5 OPERATIONAL PREPARATION

Refer to the procedure described in Appendix D for assistance in preparing for proper installation and operational use of this release.

4.0   <u>KNOWN AND OPEN PROBLEMS</u>

There are no known or open problems related to this release.

APPENDIX A - <u>ABBREVIATIONS AND ACRONYMS</u>

CC   Consolidation Center

CCR   Change Control Request

DBA   Database Administrator

DR   Discrepancy Report

FAX   Electronic Facsimile Transmission

IRM   Information Resources Management

JCL   Job Control Language

MSFC   Marshall Space Flight Center

NACC   NASA Automated Data Processing (ADP) Consolidation Center

NASA   National Aeronautics and Space Administration

NEMS   NASA Equipment Management System

NPDMS   NASA Property Disposal Management System

SESAAS   Sustaining Engineering Support for Agencywide Application Services

UNITeS   Unified NASA Information Technology Services

VDD   Version Description Document

APPENDIX B - <u>GLOSSARY</u>

Database Administration

Responsibility for maintaining the physical database environment.

Implementation

The process by which a NASA site installs a NASA software release and places it into operational use.

Operational Preparation

Preparation by a NASA site for installation and use of a NASA application release.

System Administration

Responsibility for administrative functions such as application security and table data maintenance associated with a NASA application.

APPENDIX C - <u>FUNCTIONAL CHANGE VALIDATION PROCEDURES</u>

Index of validation procedures for changes in this release:

Details for the validation procedures follow:

1.0 CCR 425 – Pictures for GSA transmission

The centers have been directed to use GSA Auctions. If cases are being sold by GSA Auctions, pictures are required. Currently pictures are not being sent to GSA for cases reported. Currently NPDMS does not store pictures in the ADABAS files.

Description of Change
Code was changed to allow centers to transmit pictures to GSA and enter the number of pictures that are being sent to GSA.

Functional Impact
There is no functional impact as a result of this CCR.

Validation Procedures
- Access the following URL for Beta test:
  http://nemsc.nacc.nasa.gov/upload/CCCC
  where CCCC is replaced by the Center's code (ARC, DFRC, GRC, GSFC, JSC, KSC, LaRC, MSFC, SSC)
  Expected Results: NASA GSA Pictures Upload Warning Screen is displayed.
- Press the Continue button on the NASA GSA Pictures Upload Warning Screen.
  Expected Results: NASA GSA Pictures Upload Login Screen is displayed.
- Enter your UserID and Password and select the Submit button.
  Expected Results: NASA GSA Pictures Menu Screen is displayed.
- Select the File Upload option.
  Expected Results: A screen will be displayed enabling the user to enter a case number(s) and select a picture(s) associated with the case.
- Select the Disposal Items List option.
  Expected Results: A screen will be displayed enabling the user to enter a beginning and ending case number.
- Enter the beginning (required) and ending (optional) case number and then select the Submit button.
  Expected Results: A screen will be displayed listing the case(s) within the selection range.
- Select the Detail button for one of the cases displayed.
  Expected Results: A screen will be displayed with case details and displaying any pictures associated with that case.

_____

MODULE ID	MODULE NAME	TYPE
ETB100P1	EntireX Broker Application Server	Program
ETB100PT	EntireX Broker Application Server	Program
ND3001MA		Map
ND3001PA	User Access Table Update	Program
ND4000MB		Map
ND4000PC	On-line Case Display	Program

ND4110MC		Map
ND4110PA	On-line Add	Program
ND4110TB	On-line Add documentation	Text
ND4210PA	On-line Change	Program
ND4210TB	On-line Change documentation	Text
NDLOGON1	Check Logon UserID and Password for Web Input	Subpgm
NDR110PA	GSA Dataset Generation	Program
NDR110PB	GSA Dataset Generation	Program
NDSCRNN1	Central Query Screening	Subppgm
NDSCRNN2	Central Query Screening	Subpgm
NDT001LA		LDA

2.0 CCR 498 – NPDMS will accept an item from NEMS history

NPDMS should not accept an item from NEMS history. The item should be active in NEMS before NPDMS accepts it.

Description of Change
Code was changed to display a pop-up window that will inform the user that the item being excessed is on the NEMS-HISTORY file. The message will include the ECN, date deleted, and the transaction number it was deleted by.

Functional Impact
There is no functional impact as a result of this CCR.

Validation Procedures
- Perform a Controlled Add for an ECN that is on the NEMS History file.
  Expected Results: NEMS History Warning pop-up window is displayed.
- Perform a Non-Controlled Add using the Model Number and Serial Number for an ECN that is on the NEMS History file.
  Expected Results: Window ND4110MJ will be displayed asking if you want to convert the Non-Controlled Add to Controlled. When 'Y' is selected the NEMS History Warning pop-up window is displayed.

_____

MODULE ID	MODULE NAME	TYPE
NDMNEMNA	Notify NEMS of History Add	Subpgm
NDXNEMMA		Map
NDXNEMNA	Retrieve NEMS History Data	Subpgm
NDXNEMNB	Retrieve NEMS History Data	Subpgm

3.0 CCR 500 – Notify NEMS when History item excessed
When a NEMS item is excessed from the NEMS-HISTORY file NEMS is not notified that the ECN has been excessed by NPDMS

Description of Change
Code was changed to send an email message to notify NEMS that an ECN from the NEMS-HISTORY file has been excessed by NPDMS.

Functional Impact
There is no functional impact as a result of this CCR.

Validation Procedures
Note: If the center chooses to receive email notification when an ECN from the NEMS History file is excessed then they should perform this test.
- Press PF3 on the NEMS History Warning Pop-up. (see test for CCR 498)
  Expected Results: An email will not be generated and sent to the specified email address.
- Press Enter on the NEMS History Warning Pop-up. (see test for CCR 498)
  Expected Results: An email will be generated and sent to the specified email address.

_____

MODULE ID	MODULE NAME	TYPE
NDMNEMNA	Notify NEMS of History Add	Subpgm
NDXNEMMA		Map
NDXNEMNB	Retrieve NEMS History Data	Subpgm

4.0 CCR 501 – Display pictures for cases on the NASA Property Screening web site
Display pictures (if present) for cases shown on the NASA Property Screening web site

Description of Change
Code was changed to display pictures associated with the item.

Functional Impact
There is no functional impact as a result of this CCR.

Validation Procedures
* Access the following URL for Beta test:
  http://nemsc.nacc.nasa.gov/npdms/screening/
* On the Property List page select the detail button.
  Expected Results: A screen will be displayed with case details and displaying any pictures associated with that case.

_____

MODULE ID	MODULE NAME	TYPE
ND3001MA		Map
ND3001PA	User Access Table Update	Program
ND4000MB		Map
ND4000PC	On-line Case Display	Program
ND4110MC		Map
NDLOGON1	Check Logon UserID and Password for Web Input	Subpgm
NDR110PA	GSA Dataset Generation	Program
NDR110PB	GSA Dataset Generation	Program
NDSCRNN1	Central Query Screening	Subpgm
NDSCRNN2	Central Query Screening	Subpgm
NDT001LA		LDA

5.0 CCR 505 – Appropriation Code not being moved to GSA file

In the NPDMS 4.3 release removed the Reimbursement Code and added the Reimbursement Indicator. When removing the Reimbursement Code the code for the Appropriation Code was also removed. The code for the Appropriation Code must be added back to populate the field on the GSA interface.

Description of Change

Code was changed to populate the Appropriation Code when the Reimbursement Indicator is 'Y'.

Functional Impact

There is no functional impact as a result of this CCR.

Validation Procedures

- Run the 110 report.
  Expected Results: Appropriation Code should be populated for cases that have a Reimbursement Indicator of 'Y'.

_____

MODULE ID	MODULE NAME	TYPE
NDR110PA	GSA Dataset Generation	Program
NDR110PB	GSA Dataset Generation	Program

**APPENDIX D - <u>INSTALLATION INSTRUCTIONS AND CHECKLIST FOR NPDMS
SOFTWARE RELEASE 4.3.1</u>**

Introduction

Release information:

System Name: NPDMS
Release Number: 4.3.1
Release Date: May 21, 2004
Effective Date: Immediately

In case of installation problems, contact the NASA Automated Data Processing
(ADP) Consolidation Center (NACC) Technical Services Center (Use following
Key Words: SESAAS & NPDMS)

      Telephone: (256) 544-6673
      Email: neal.cantrell@msfc.nasa.gov
      FAX: (256) 544-1836

The following datasets are located on the transient storage DASD volumes under
the following data sets names:

MSMOV.NPDMS.PROD.R431.R0504.ERR
MSMOV.NPDMS.PROD.R431.R0504.SRC
XXMOV.NPDMS.PROD.R431.R0504.PRD

Where "xx" is replaced by the appropriate NASA Center designation.

```
AR – ARC
DF – DFRC
GS – GSFC
HQ – HQ
J5 – JSC
KS – KSC
LA – LaRC
LE – GRC (Glenn)
MS – MSFC
SS – SSC
```

Installation Sequence

The sequence in which the installation of this release should occur is provided in the
following list. A checklist is provided in Section 9.0 to assist in tracking the installation
of this release.

1.0 Back Up Existing Data

It is advisable to back up all NPDMS files as a precautionary measure prior to installation.

2.0 Copy Source

This will be performed by SESAAS for the core modules. Any changes for site unique versions of these modules will be performed by the centers.

2.1 Copy Source Code

Load the NPDMS source library from dataset:

MSMOV.NPDMS.PROD.R431.R0504.SRC.

The source programs were unloaded using the Natural utility NATUNLD. The programs will be loaded to the application library NPDMS, replacing any existing programs of the same name. The source module counts included in this release are listed below:

Natural Source Modules by Type	Count
GLOBAL DATA AREA	0
LOCAL/PARAM DATA AREA	1
MAPS	4
HELP ROUTINES	0
SUBROUTINES	0
SUBPROGRAMS	6
PROGRAMS	9
COPYCODE	0
TEXT	2
PROCESSOR	0
MISCELLANEOUS OBJECTS	0
Total:	22

2.2 List of Source Code Modifications

The following are the modules added, modified, and deleted.

Added Modules:

1. ETB100PT   Program
2. NDLOGON1   Subprogram
3. NDMNEMNA   Subprogram
4. NDSCRNN2   Subprogram
5. NDXNEMMA   Map

Changed Modules:

1. ETB100P1   Program
2. **ND3001MA**   **Map**
3. **ND3001PA**   **Program**
4. ND4000MB   Map
5. ND4000PC   Program
6. **ND4110MC**   **Map**
7. **ND4110PA**   **Program**
8. **ND4110TB**   **Text**
9. **ND4210PA**   **Program**
10. **ND4210TB**   **Text**
11. NDO000PA   Program
12. NDR110PA   Program
13. NDR110PB   Program
14. **NDSCRNN1**   **Subprogram**
15. NDT001LA   LDA
16. **NDXNEMNA**   **Subpgm**
17. **NDXNEMNB**   **Subpgm**

Deleted Modules:
None

3.0 Pre-Predict Data Conversion

Not Applicable

4.0 Install Predict

This will be performed by SESAAS on the consolidated files.

4.1 Data Dictionary Changes

This release will include the new enhancements for Version 4.3.1. Details for changes in this release can be found under Section 4.1.3 Physical File Changes or by performing Predict reporting on the keyword NPDMS-4.3.1.

Use SYSDICBE to load the PREDICT modifications from the dataset: xxMOV.NPDMS.PROD.R431.R0504.PRD.

The following NPDMS DDMs should be generated after the PREDICT load is completed:

        ND-TABLE

4.1.1 Inventory of Objects

The object types and inventory listed below represent a comprehensive count of the Predict object modules for this release.

PREDICT Objects by Type:

        Keyword   -   1
        Standard/Help files   -   1
        ADABAS Files and Views -   1

4.1.2 Storage Considerations

Not applicable with this release.

4.1.3 Physical File Changes

Add the following fields:

```
ND-TABLE                                File # 249
    Ty L Field ID                        F  Length   Occ    D U DB S
    *- - ------------------------------- *- -------- ----- * * -- *
       1 SYS-USER-PSWRD-ID               A     8.0              GI N
```

Using the following commands:

```
//DDKARTE  DD  *
ADADBS NEWFIELD FILE=249
```

```
ADADBS FNDEF='01,GI,8,A,NU'
/*
```

5.0   Catalog Source Code

To be performed by the SESAAS DBA.

Run a batch job to catalog (CATALL) all modules in the NPDMS or other named library.
IT IS NECESSARY to catalog the Global Data Areas. The NASA Batch Standard
Parameters should be used for the compile with the exception of ESIZE=128.

After all objects are compiled, the NPDMS application will run under the NASA On-line
Standard Parameter.

6.0   Post-Predict Data Conversion

Not Applicable

7.0   Perform Release-Specific Procedures

7.1   Load Natural Error Messages

Load error messages from the NASA Distribution data set
MSMOV.NPDMS.PROD.R431.R0504.ERR, using the NATURAL SYSERR utility
ERRLODUS. This release contains 816 error messages, which will load to the library
NPDMS. For additional information concerning SYSERR, refer to the NATURAL 2
Administrator's Manual.

8.0 Local JCL Mods

Bold lines are new lines

```
140MNEMPA3001  //NOTIFY    JOB (MSIRMNPDM004,4485),'NOTIFY NEMS',CLASS=D,
140MNEMPA3002  //          MSGCLASS=A
140MNEMPA3003  //NTFYNEMS EXEC PGM=IKJEFT01,REGION=6M,
140MNEMPA3004  //          DYNAMNBR=50
140MNEMPA3005  //SYSHELP  DD  DSN=SYS1.HELP,DISP=SHR
140MNEMPA3006  //SYSPROC  DD  DSN=SYS2.UTILPROC(SMTPCOMN),DISP=SHR
140MNEMPA3007  //SYSLBC   DD  DSN=SYS1.BRODCAST,DISP=SHR
140MNEMPA3008  //ISPLOG   DD  SYSOUT=*
140MNEMPA3009  //SYSPRINT DD  SYSOUT=*
140MNEMPA3010  //SYSTERM  DD  SYSOUT=*
140MNEMPA3011  //SYSTSPRT DD  SYSOUT=*
140MNEMPA3012  //SYSIN    DD  DUMMY
```

```
140MNEMPA3013  //SYSTSIN  DD  *
140MNEMPA3014  SMTPCOMN TO(NEAL.CANTRELL@MSFC.NASA.GOV) +
140MNEMPA3015  CC(NIKITA.ZURKIN@NASA.GOV) +
140MNEMPA3016  SU('ECN XXXXXXX WAS IN NEMS HISTORY AND ADDED INTO NPDMS') +
140MNEMPA3017  DA('''MSIRM.NPDMDD.EMAIL.MESSAGE''')
140MNEMPA3018  /*
```

Instructions for changing JCL:

140MNEMPA3014 replace NEAL.CANTRELL@MSFC.NASA.GOV with the email address whoever is to be notified.

140MNEMPA3015 replace NIKITA.ZURKIN@NASA.GOV with an email address for whoever is to be copied (optional).

140MNEMPA3016 contains the title of the email that will be sent. DO NOT CHANGE.

140MNEMPA3017 change dataset name MSIRM.NPDMDD.EMAIL.MESSGE with a dataset you create. The following is the message that we have in our dataset:

THE ECN LISTED IN THE TITLE HAS BEEN ADDED INTO NPDMS AND WAS PRESENT ON THE NEMS HISTORY FILE. PLEASE VERIFY THAT THIS IS CORRECT.

9.0 Installation Checklist

1.0 Back Up Existing Data
2.0 Copy Source
    2.1 Copy Source Code
    2.2 List of Source Code Modifications
3.0 Pre-Predict Data Conversion
4.0 Install Predict
    4.1 Data Dictionary Changes
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5.0 Catalog Source Code
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7.0 Perform Release Specific Procedures
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8.0 Local JCL Mods